

WHAT IS CLAIMED IS:

1. A voice processing method in a mobile terminal which provides for a concurrent service that concurrently provides at least two services, each
5 service requiring voice output, comprising the steps of:
prioritizing services that can be provided as the concurrent service;
comparing the priority levels of a first service and a second service if the
second service is to be received during the first service in progress,
selecting one of the first and second services that has a higher priority
10 level and outputting voice from the selected service.
2. The voice processing method of claim 1, further comprising the
step of, upon input of a voice switching signal during the voice output from the
selected service, switching to voice output from the other service.
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3. The voice processing method of claim 1, wherein the services
are prioritized by user selection.
4. The voice processing method of claim 2, wherein the services
20 are prioritized by user selection.
5. The voice processing method of claim 1, wherein the services
are prioritized by prioritizing programs for performing the services.
- 25 6. The voice processing method of claim 2, wherein the services
are prioritized by prioritizing programs for performing the services.
7. The voice processing method of claim 2, wherein the voice
switching signal is generated using a predetermined unused ASCII code.

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8. A computer-readable recording medium in a mobile terminal having a processor, comprising a program,

wherein the program performs a first function for prioritizing at least two services that can be provided as a concurrent service, each service requiring voice output, a second function for comparing the priority levels of a first service and a second service if the second service is to be received during the first service in progress, , and a third function for selecting one of the first and second services that has a higher priority level and outputting voice from the selected service.

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9. A mobile terminal capable of switching between voice outputs, comprising:

a controller for controlling functions including mobile communication and wireless Internet connection;

15 a storage for storing programs required for the operation of the controller and data;

a radio frequency (RF) module for communicating RF signals with a base station over a mobile communication network through an antenna;

a keypad having keys for data input;

20 a voice coder/decoder (CODEC) connected to the controller, for receiving a voice signal from the controller and decoding the voice signal; and

a voice switch for switching the decoded voice signal received from the voice CODEC to a selected output device under the control of the controller, so that different voice outputs are connected to different output devices.

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10. The mobile terminal of claim 9, wherein the voice CODEC has a first output terminal assigned to one of two services being concurrently received , for outputting voice from the service, and a second output terminal assigned to the other service for outputting voice from the other service; and wherein the voice switch connects has first and second input terminals and first and second

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output terminals and the first and second input terminals to the first and second output terminals such that paths for outputting the voices from the services are established to different output devices.

5 11. The mobile terminal of claim 9, wherein the storage stores voice output information including voice output paths and voice output priority levels for the voice switch to establish the voice output paths, and the controller transmits the voice output information to the voice switch so that different voice outputs are connected to different output devices.

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 12. The mobile terminal of claim 10, wherein the storage stores voice output information including voice output paths and voice output priority levels for the voice switch to establish the voice output paths, and the controller transmits the voice output information to the voice switch so that the different
15 voice outputs are connected to the different output devices.

 13. The mobile terminal of claim 9, wherein the different output devices are a speaker and an earphone.

20 14. The mobile terminal of claim 10, wherein the different output devices are a speaker and an earphone.

 15. The mobile terminal of claim 10, wherein the voice switch switches a voice signal received through the first input terminal to the first and
25 second output terminals.

 16. The mobile terminal of claim 10, wherein the voice switch switches a voice signal received through the second input terminal to the first and second output terminals.

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17. The mobile terminal of claim 10, wherein the voice switch switches a voice signal received through the first input terminal to the first output terminal and a voice signal received through the second input terminal to the second output terminal.

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18. The mobile terminal of claim 10, wherein the voice switch switches a voice signal received through the first input terminal to the second output terminal and a voice signal received through the second input terminal to the first output terminal.

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19. A voice processing method which provides for a concurrent service that concurrently provides at least two services, each service requiring voice output, in a mobile terminal capable of switching different voice outputs to different output devices, comprising the steps of:

15 prioritizing services that can be provided as the concurrent service;

determining whether a first service and a second service are to be provided concurrently if the second service is received during the first service in progress, outputting voices from the first and second services via different output paths if the first and second services are provided concurrently;

20 determining whether the first and second services are provided as the concurrent service if the first and second services are not provided concurrently;

selecting one of the first and second services and outputting voice from the selected service if the first and second services are not provided as the concurrent service; and

25 selecting one of the first and second services that has a higher priority level and outputting voice from the higher-priority service if the first and second services are provided as the concurrent service.

20. The voice processing method of claim 19, further comprising the
30 step of, upon input of a voice switching signal during the voice output from the

high-priority service, switching to voice output from the other service.

21. The voice processing method of claim 19, wherein the services are prioritized by user selection.

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22. The voice processing method of claim 20, wherein the services are prioritized by user selection.

23. The voice processing method of claim 19, wherein the services
10 are prioritized by prioritizing programs for performing the services.

24. The voice processing method of claim 20, wherein the services are prioritized by prioritizing programs for performing the services.

15 25. The voice processing method of claim 20, wherein the voice switching signal is generated by selecting a predetermined unused ASCII code.

26. The voice processing method of claim 19, wherein if the first and second services are provided concurrently, the output paths of voices from the
20 first and second services are predetermined.

27. The voice processing method of claim 19, wherein the step of determining if the first and second services are to be concurrently provided comprises the steps of:
25 activating a voice output selection window if the first and second services are provided concurrently;
setting an output path for each of the first and second services in the voice output selection window.

30 28. The voice processing method of claim 27, further comprising the

step of, upon receipt of a path reset signal during the voice output from the first and second services, activating the voice output selection window.

29. The voice processing method of claim 28, wherein the path reset
5 signal is generated by selecting a predetermined unused ASCII code.

30. A computer-readable recording medium in a mobile terminal
having a processor and capable of switching different voice outputs to different
output devices, comprising a program,
10 wherein the program performs a first function for prioritizing services
that can be provided as a concurrent service, a second function for determining
whether a first service and a second service are to be provided concurrently if the
second service is received during the first service in progress, a third function for
outputting voices from the first and second services via different output paths if
15 the first and second services are provided concurrently, a fourth function for
determining whether the first and second services are provided as the concurrent
service if the first and second services are not provided concurrently, and
selecting one of the first and second services and outputting voice from the
selected service if the first and second services are not provided as the concurrent
20 service, and a fifth function for selecting one of the first and second services that
has a higher priority level and outputting voice from the higher-priority service if
the first and second services are provided as the concurrent service.